Contractor is to verify beam length prior to ordering SHEET NO. SHEET NO. $\it I$ TOTAL material. Other sections meeting the section modulus STATE OF ILLINOIS *© Transverse tie £'s (3 per span). Place requirements shown may be allowed subject to approval FA 53 9 8 2 SHEETS Mercer additional shims at midpoints between tie P's. DEPARTMENT OF TRANSPORTATION by the Bureau of Bridges and Structures. Maximum Girder Securely weld shims to top flange of support depth = 33". No additional payment will be allowed if beam. Minimum shim size is 6" x flange width. Contract Number: 68752 the contractor chooses a heavier steel section than the one specified in the plans & Brg. € Pier 1----€ Brg. S. Abut. N. Abut. GENERAL NOTES All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted. Plan dimensions and details relative to existing plans are subject to routine THIN variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause **W33x130 x 47'-3" **W33x130 x 47'-3" for additional compensation for a change in scope of the work, however, the (Min. $Sx Req'd = 406 in^3$) (Min. $Sx Req'd = 406 in^3$) Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work. The contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the contractors responsibility to account for the condition of the beams when developing construction procedures. See Section 584 of the Standard Specifications for Epoxy Grouting of Threaded Rods: Minimum embedment 9". If the contractor's procedure for placement of beams involves placement of cranes or other heavy equipment on the bridge, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying that the ELEVATION equipment and procedure used will not overstress the existing beams. To distribute load to multiple beams and protect the existing surface, in all cases a double layer mot of heavy timbers shall be used at all times under crane tracks or wheels and 49'-4" Span 1 49'-4" Span 2 any outriggers in the down position. If necessary, shims shall be used under the Brg. - @ Brg. crane mat to ensure uniform contact with the underlying beams. S. Abut. N. Abut. G◀₁ The cost of epoxy grouting threaded rods on the pier cap, abutments and € Pier 1 beams shall be included with Furnishing and Erecting Structural Steel. 12'-4" The Contractor has the option of using used steel. See Special Provisions. *Transverse. Tie £'s 1'-0" Beam 1 32", 3" 6" -12' Beam 2 Beam 3 ₽B Ream 4 Beam 5 Beam 6 ₽F Beam 7 ₽D Beam 8 Beam 9 $D \blacktriangleleft$ r▶G **LG D PLAN 2'-4" $\@ifnextchar[{\@model{Q}}\@ifnextchar[\@model{Q}\@ifnextchar[{\@model{Q}}\@ifnextchar[\@model{Q}\@ifnextchar[\@model{Q}$ € 1"¢ holes for 2'-1" 34" H.S. Bolts threaded rods. 3'-6" BENT P D 3'-0" PL '2" x 1'-7'2" x 1'-10'2" (4 Req'd) 2 Spa at 3'-0" = 6'-0" 081-004625 € 13₁₆"Ø holes for TOTAL BILL OF MATERIAL PLAN AND ELEVATION 34"\$ threaded rods F.A.P. RT 310 TRANSVERSE TIE P'S Furnishing and Erecting Structural Steel MERCER COUNTY Pound 34,900 P A 2" x 2'-4" x 6" (6 Reg'd) CHECKED STO P. B 2" x 3'-6" x 6" (3 Req'd) P. C 2" x 6'-6" x 6" (3 Req'd) SN 066-0003 Expires: November 30, 2008 SLT-94-001-07